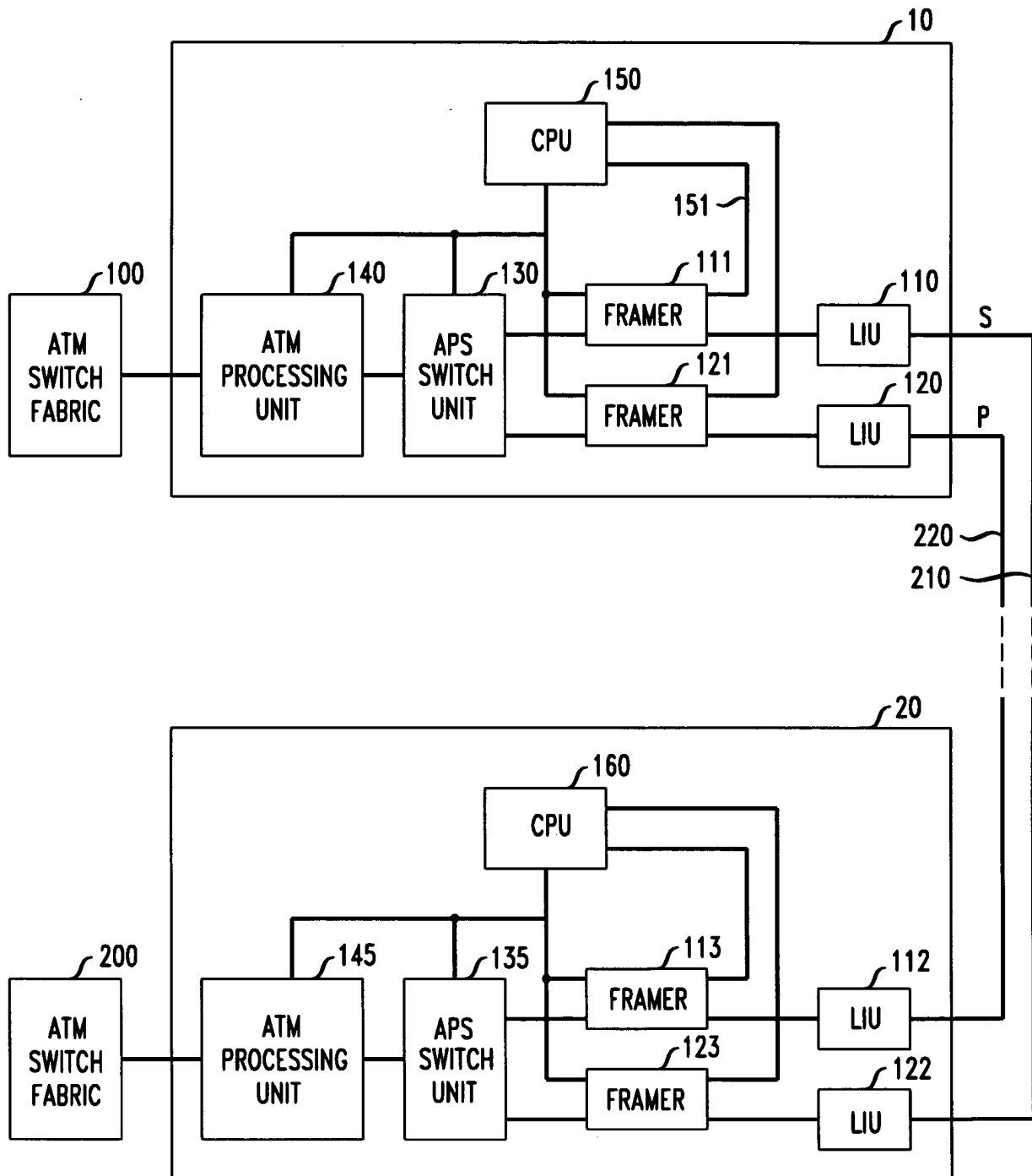


FIG. 1



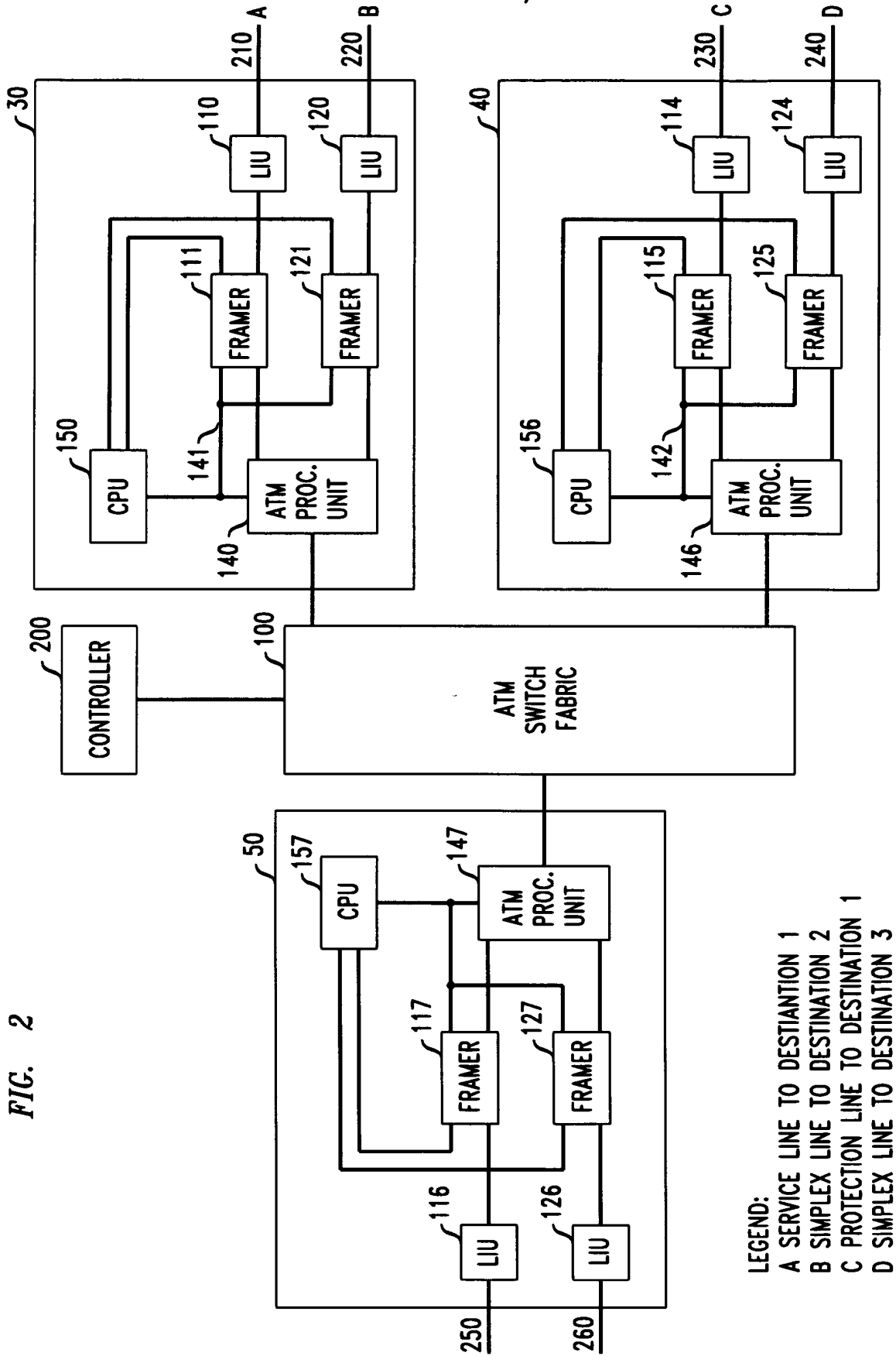


FIG. 3

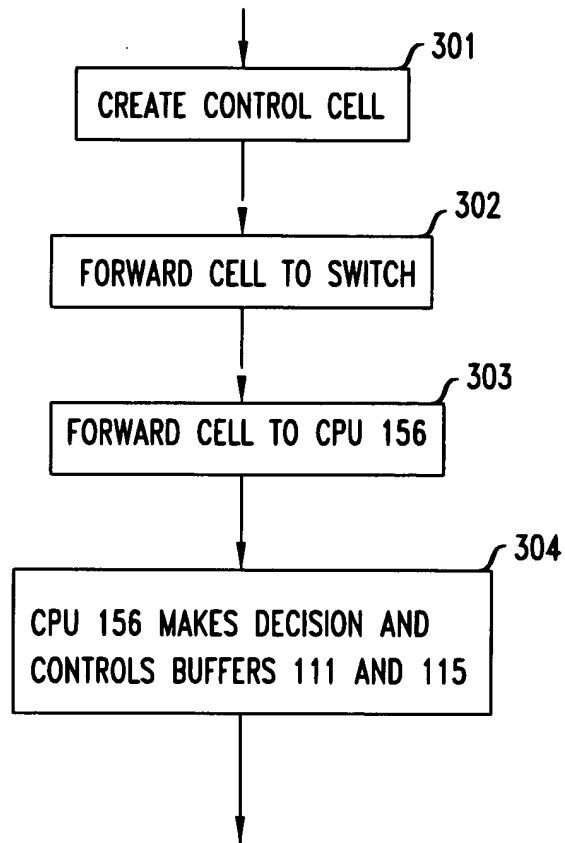


FIG. 4

HIGHEST PRIORITY STIMULUS	LOCK OUT	FORCED SWITCH	MANUAL SWITCH	RELEASE
LOCK OUT	REJECT	REJECT	REJECT	ACCEPT
SF IN PROTECTION LINE	ACCEPT	REJECT	REJECT	REJECT
FORCED SWITCH	ACCEPT	REJECT	REJECT	ACCEPT
SF IN SERVICE LINE	ACCEPT	ACCEPT	REJECT	REJECT
SD IN EITHER LINE	ACCEPT	ACCEPT	REJECT	REJECT
MANUAL SWITCH	ACCEPT	ACCEPT	REJECT	ACCEPT
NO REQUEST	ACCEPT	ACCEPT	ACCEPT	REJECT

FIG. 5

SLR:

MSB	6	5	4	3	2	1	LSB
0	0	0	0	FS	SF	SD	MS

PLR:

MSB	6	5	4	3	2	1	LSB
0	0	LO	SF	FS	0	SD	MS

FIG. 6

STIMULUS	BITS SET	
	SLR	PLR
MANUAL SWITCH TO MAKE PROTECTION LINE ACITVE	MS=1	MS=0
MANUAL SWITCH TO MAKE SERVICE LINE ACITVE	MS=0	MS=1
SIGNAL DEGRATED CONDITION DETECTED IN S	SD=1; MS=0	MS=0
SIGNAL DEGRATED CONDITION CLEARED IN S	SD=0	
SIGNAL DEGRATED CONDITION DETECTED IN P	MS=0	SD=1; MS=0
SIGNAL DEGRATED CONDITION CLEARED IN P		SD=0
SIGNAL FAILED CONDION DETECTED IN S	SF=1; MS=0	MS=0
SIGNAL FAILED CONDITION CLEARED IN S	SF=0	
FORCED SWITCH DIRECTIVE FROM S TO P	FS=1	FS=0
FORCED SWITCH DIRECTIVE FROM P TO S	FS=0	FS=1
SIGNAL FAILED CONDION DETECTED IN P	FS=0; MS=0	SF=1; FS=0; MS=0
SIGNAL FAILED CONDITION CLEARED IN P		SF=0
LOCKOUT		LO=1
RELEASE	SF=0; MS=0	LO=0; FS=0; MS=0

S: SERVICE LINE

P: PROTECTION LINE

FIG. 7

